

Mugund K

Lead Software Engineer - ML Engineering

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Profile

Seasoned IT professional with 20 years of experience and currently serving as a Lead Software Engineer at TalentNeuron. Expert in machine learning engineering with a focus on model training, benchmarking, and optimization. Possesses advanced knowledge in AutoML, drift detection, and model retraining. Proficient in Python, TensorFlow, PyTorch, and Keras, with a strong academic background. Proven track record of applying machine learning techniques to solve complex real-world problems and leading high-performance engineering teams.

Projects

Current Project: Machine Learning Model Management,

Lead Software Engineer, ML Engineering Team at TalentNeuron

- Lead the ML engineering team responsible for maintaining 50+ production models for large-scale job processing.
- Oversee the entire lifecycle of ML models, including retraining, deployment, optimization, and benchmarking.
- Ensure robust performance and scalability of models in production.
- Collaborate with cross-functional teams to implement innovative solutions and workflow optimizations.
- Drive continuous improvement and efficiency in ML operations.

Education

06/2024 – present	Ph.D. in Machine Learning (Ongoing), SRM University Research focus on AutoML, drift detection, and model retraining. Proficient in Python, TensorFlow, PyTorch, and Keras.	Chennai, India
05/2019 – 05/2021	M.Tech (Data Science and Engg), BITS Specialized in machine learning and related technologies.	Pilani, India
04/2000 – 04/2004	B.Tech (Information Technology), Madras University Focused on general computer-related concepts.	Chennai, India

Professional Experience

10/2023 – present	Lead Software Engineer, TalentNeuron Experienced Lead Software Engineer at TalentNeuron, specializing in the productionization, optimization, and performance assurance of machine learning models. TalentNeuron provides data-driven insights and analysis to help organizations make informed talent-related decisions. In my role, I ensure ML models are efficiently deployed, rigorously tested, and continuously monitored to deliver reliable and accurate results. Proficient in enhancing model reliability and performance to meet high industry standards.	Chennai, India
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01/2015 – 10/2023	Manager, Research & Content Delivery, Gartner Experienced in delivering technology research at Gartner to assist global business leaders in making informed decisions. Designed and implemented a web-based automation portal enabling code-free test case automation through a drag-and-drop interface, and developed automation frameworks using Node.js and Python. Skilled in planning, coordinating, and directing quality programs for the Content Planning & Production Platform, as well as providing support for released products, evaluating field performance, and recommending corrective and preventative actions.	Chennai, India
02/2008 – 01/2015	Supervisor, Managed Security Services, Symantec Experienced IT professional with a long tenure at Symantec, specializing in validating enterprise-level security solutions such as Managed Security Services and the DeepSight Early Warning System. Demonstrated success in managing and leading teams, conducting functional and regression testing on various components, including web applications, entitlement backends, activation servers, and partner services. Skilled in ensuring robust protection against advanced threats, malware, and cyber attacks for businesses of all sizes.	Chennai, India
09/2004 – 02/2008	Project Engineer, Wipro Technologies Wipro specializes in IT Services, Business Consulting, Technology Consulting, IT Outsourcing, and System Integration services. I oversee the development and maintenance of the mail archiving solution for Sun Microsystems (Sun IML). In my role as a Project Engineer, I prepare test cases for web-based applications, implementing test automation with QTP in a data-driven framework.	Chennai, India

Skills

Machine Learning — AutoML | Model Deployment | Model Retraining | Drift Detection | Model Optimization | Benchmarking | Data Engineering

Programming Languages — Python | Java | JavaScript | SQL

Big Data Technologies — Spark

Cloud Platforms — AWS | Azure

Certificates

- Professional Scrum Master I | PSM I